



10/29/07



Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M66362

Sampling Date: 07/17/07

Report to:

GEI Consultants, Inc.

TDaigle@geiconsultants.com

ATTN: Tom Daigle

Total number of pages in report: 13





Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Sections:

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Sample Summary

GEI Consultants, Inc.

Job No: M66362

GEI Tufts Street Somerville MA Project No: 045162

Sample Number	Collected Date	Time By	Received	Matr Code		Client Sample ID
M66362-1	07/17/07	09:48 TAD	07/18/07	AIR	Air	045162-SVT-22D
M66362-2	07/17/07	09:42 TAD	07/18/07	AIR	Air	045162-SVT-14S
M66362-3	07/17/07	11:21 TAD	07/18/07	AIR	Air	045162-SVT-8D
M66362-4	07/17/07	12:44 TAD	07/18/07	AIR	Air	045162-SVT-MW202S





SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: GEI Consultants, Inc. Job No M66362

Site: GEI Tufts Street Somerville MA Report Date 8/3/2007 5:12:26 PM

4 Sample(s) were collected on 07/17/2007 and were received at Accutest on 07/18/2007. These Samples received an Accutest job number of M66362. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix AIR Batch ID: MSQ217

- All samples were analyzed within the recommended method holding time.
- Sample(s) M66361-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, Chloroethane are outside control limits for sample M66361-2DUP. High RPD due to possible matrix interference and/or sample non-homogeneity.

Matrix AIR Batch ID: MSQ218

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66361-3DUP were used as the QC samples indicated.

Matrix AIR Batch ID: MSO219

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66362-4DUP were used as the QC samples indicated.

Matrix AIR Batch ID: MSQ220

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66400-1DUP were used as the QC samples indicated.

Matrix AIR Batch ID: MSQ221

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66578-1DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report (M66362).



Sample Results

Report of Analysis



Page 1 of 1

Report of Analysis

Client Sample ID: 045162-SVT-22D

Lab Sample ID: M66362-1 Date Sampled: 07/17/07
Matrix: AIR - Air Summa ID: M188,M191,M016 Date Received: 07/18/07
Method: TO-15 Percent Solids: n/a

Project: GEI Tufts Street Somerville MA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4109.D	1000	07/24/07	DFT	n/a	n/a	MSQ218
Run #2	Q4135.D	50000	07/27/07	DFT	n/a	n/a	MSQ219

-	
	Initial Volume
D #4	
Run #1	400 ml
Run #2	400 ml
Ruii π2	400 IIII

CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	200	ppbv	ND	530	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	200	ppbv	ND	1300	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	200	ppbv	ND	810	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	200	ppbv	ND	790	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	200	ppbv	ND	810	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	200	ppbv	ND	790	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	200	ppbv	ND	790	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1060	200	ppbv	5780	1100	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	200	ppbv	ND	1400	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	200	ppbv	ND	1100	ug/m3
127-18-4	165.8	Tetrachloroethylene	842000 a	10000	ppbv	5710000 a	68000	ug/m3
79-01-6	131.4	Trichloroethylene	651	200	ppbv	3500	1100	ug/m3
75-01-4	62.5	Vinyl chloride	ND	200	ppbv	ND	510	ug/m3

CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits

460-00-4 4-Bromofluorobenzene 82% 81% 57-139%

(a) Result is from Run# 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



Report of Analysis

Client Sample ID: 045162-SVT-14S

Lab Sample ID: M66362-2 Date Sampled: 07/17/07
Matrix: AIR - Air Summa ID: M183,M184,M029 Date Received: 07/18/07
Method: TO-15 Percent Solids: n/a

Project: GEI Tufts Street Somerville MA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4075.D	10	07/21/07	DFT	n/a	n/a	MSQ217
Run #2	Q4110.D	1000	07/24/07	DFT	n/a	n/a	MSQ218
Run #3	Q4131.D	5000	07/26/07	DFT	n/a	n/a	MSQ219

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	2.0	ppbv	ND	5.3	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv	ND	13	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	2.0	ppbv	ND	8.1	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	2.2	2.0	ppbv	8.7	7.9	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv	ND	8.1	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	19.2	2.0	ppbv	76.1	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	484 a	200	ppbv	1920 a	790	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	10.0	2.0	ppbv	54.6	11	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv	ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv	ND	11	ug/m3
127-18-4	165.8	Tetrachloroethylene	76300 b	1000	ppbv	517000 b	6800	ug/m3
79-01-6	131.4	Trichloroethylene	754 a	200	ppbv	4050 a	1100	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	ppbv	ND	5.1	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	104%	80%	81%	57-139%

⁽a) Result is from Run# 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



⁽b) Result is from Run# 3

Report of Analysis

Client Sample ID: 045162-SVT-8D

 Lab Sample ID:
 M66362-3
 Date Sampled:
 07/17/07

 Matrix:
 AIR - Air
 Summa ID:
 M1181,M181,M19024078eceived:
 07/18/07

 Method:
 TO-15
 Percent Solids:
 n/a

Project: GEI Tufts Street Somerville MA

D #1	File ID	DF	Analyzed	Ву	Prep Date	Prep Batch	Analytical Batch
Run #1 Run #2	Q4133.D Q4156.D	1000 10000	07/26/07 07/30/07	DFT DFT	n/a n/a	n/a n/a	MSQ219 MSQ220
Run #3	Q4165.D	50000	08/01/07	DFT	n/a	n/a	MSQ221

	Initial Volume	
Run #1	400 ml	
Run #2	400 ml	
Run #3	400 ml	

CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	200	ppbv	ND	530	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	200	ppbv	ND	1300	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	200	ppbv	ND	810	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	2750	200	ppbv	10900	790	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	200	ppbv	ND	810	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	200	ppbv	ND	790	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	200	ppbv	ND	790	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	27700 a	2000	ppbv	151000 a	11000	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	200	ppbv	ND	1400	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	200	ppbv	ND	1100	ug/m3
127-18-4	165.8	Tetrachloroethylene	1060000 b	10000	ppbv	7190000 b	68000	ug/m3
79-01-6	131.4	Trichloroethylene	21600	200	ppbv	116000	1100	ug/m3
75-01-4	62.5	Vinyl chloride	ND	200	ppbv	ND	510	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	1-Bromofluorohenzene	79%	83%	83%	57-139%

⁽a) Result is from Run# 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank



⁽b) Result is from Run# 3

Report of Analysis

Client Sample ID: 045162-SVT-MW202S

Lab Sample ID: M66362-4 **Date Sampled: 07/17/07** Matrix: Summa ID: M204, M066 AIR - Air Date Received: 07/18/07 TO-15 Method: Percent Solids: n/a

Project: **GEI Tufts Street Somerville MA**

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4127.D	20	07/26/07	DFT	n/a	n/a	MSQ219
Run #2	Q4132.D	100	07/26/07	DFT	n/a	n/a	MSQ219

	Initial Volume	
Run #1	400 ml	
Run #2	400 ml	

CAS No.	MW	Compound	Result	RL	Units Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	4.0	ppbv	ND	11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	4.0	ppbv	ND	25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	4.0	ppbv	ND	16	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	2.8	4.0	ppbv J	11	16	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	4.0	ppbv	ND	16	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	4.0	ppbv	ND	16	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	4.0	ppbv	ND	16	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	98.5	4.0	ppbv	537	22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	4.0	ppbv	ND	27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	4.0	ppbv	ND	22	ug/m3
127-18-4	165.8	Tetrachloroethylene	376 a	20	ppbv	2550 a	140	ug/m3
79-01-6	131.4	Trichloroethylene	47.0	4.0	ppbv	253	21	ug/m3
75-01-4	62.5	Vinyl chloride	ND	4.0	ppbv	ND	10	ug/m3

CAS No. **Surrogate Recoveries** Run# 1 Run# 2 Limits

460-00-4 4-Bromofluorobenzene 86% **79**% 57-139%

(a) Result is from Run# 2

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log



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M66362: Chain of Custody Page 1 of 2



SUPSIAD IndoorAir Sampling Analyte List

Chloroethane

Carbon Tetrachloride

1,1-Dichloroethylene 1,1-Dichloroethane

1,2-Dichloroethane

trans-1,2-Dichloroethylene

cis-1,2-Dichloroethylene

1,1,1-Trichloroethane

1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane

Tetrachloroethylene

Vinyl Chloride

M66362: Chain of Custody Page 2 of 2



Summa Canister and Flow Controller Log

Job Number: M66362

Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Received: 07/18/07

SUMMA	CA	NISTI	ERS										
Shipping	g						Receiving						
Summa		Vac	Date		SCC	SCC	Sample	Date		Vac	Pres	Final	Dil
ID	L	" Hg	Out	By	Batch	FileID	Number	In	By	" Hg	psig	psig	Fact
M016	6	29.4	07/02/07	PB	CP437	Q3925.D	M66362-1	07/20/07	DFT	5.2			1
M029	6	29.4	06/26/07	PB	CP436	J10772.D	M66362-2	07/20/07	DFT	2.4			1
M078	6	29.4	06/26/07	PB	CP436	J10772.D	M66362-3	07/23/07	DFT	3.2			1
M066	6	29.4	07/02/07	PB	CP437	Q3925.D	M66362-4	07/23/07	DFT	5			1

FLOW	CONTROL	LERS					
Shippi	ng				Receivin	g	
Flow	Date		cc/	Time	Date		cc/
Crtl ID	Out	By	min	hrs.	In	By	min
MC017	07/12/07	DET	80	1	07/19/07	DET	57
	01122101			_			
MC070			80	1	07/19/07		136.5
MC101			80	1	07/19/07		79
MC117	07/12/07	DFT	80	1	07/19/07	DFT	90

Accutest Bottle Order(s): GEI/7-12-07/TUFTS ST PB/6-26-07/GEI/TUFTS ST. PB/7-3-07/GEI/TUFTS ST.

 Prep Date
 Room Temp(F)
 Bar Pres "Hg

 06/26/07
 70
 29.92

 07/02/07
 70
 29.92

